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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/749,610	12/31/2003	Darvin R. Edwards	TI-36608 (032350.B566)	8535
23494	7590 09/14/2004		EXAMINER	
TEXAS INST	TRUMENTS INCORPOR	HO, TU TU V		
	P O BOX 655474, M/S 3999 DALLAS, TX 75265		ART UNIT	PAPER NUMBER
DALLAS, 17	73203		2818	
			DATE MAIL ED. 00/14/200	•

DATE MAILED: 09/14/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/749,610	EDWARDS, DARVIN R.				
Office Action Summary	Examiner	Art Unit				
	Tu-Tu Ho	2818				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) ☐ Responsive to communication(s) filed on 31 December 2003. 2a) ☐ This action is FINAL. 2b) ☐ This action is non-final. 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the ments is						
closed in accordance with the practice under E	х рапе Quayle, 1935 С.D. 11, 45	03 O.G. 213.				
Disposition of Claims						
 4) Claim(s) 1-24 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-24 are subject to restriction and/or election requirement. 						
Application Papers						
 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. 						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:					

DETAILED ACTION

Election/ Restriction

Claims 1-24 are pending in this application.

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 15-23, drawn to a system for dissipating heat from a semiconductor device comprising a heat-dissipating package for a semiconductor device including a thermally conductive lid, classified in class 257, subclass 704.
 - II. Claims 1-14 and 24, drawn to a method for removing energy from a semiconductor device comprising forming a heat-dissipating package for a semiconductor device including forming a lid, classified in class 438, subclass 125.
- 2. The inventions are distinct, each from the other because of the following reasons: Inventions II and I are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case unpatentability of Invention II would not necessarily imply unpatentability of Invention I, since the process of Invention II could be used to make other and materially different product. For example, the process as claimed in Invention II could be used to make a system for dissipating heat from a semiconductor device comprising a heat-dissipating package for a semiconductor device including a conductive layer deposited in at least one cavity, the conducting layer having

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a melting point equal to the maximum operating temperature of the semiconductor device, instead of the conducting layer having a melting point greater than the maximum operating temperature of the semiconductor device as claimed in Invention I.

- 3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their different classification, restriction for examination purposes as indicated is proper.
- 4. Applicant is advised that the response to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).
- 5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tu-Tu Ho whose telephone number is (571) 272-1778. The examiner can normally be reached on 6:30 am 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, DAVID NELMS can be reached on (571) 272-1787. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

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system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tu-Tu Ho

September 06, 2004